

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A display apparatus, comprising
display elements including a medium injected and sealed between a pair of substrates at
least one of which is transparent,
the medium changing in magnitude of optical anisotropy upon application of voltage,
each of the display elements containing colors required to produce a color image display,
so as to produce a color image display,
different voltages being applied to the display elements so as to display the colors
required to produce a color image display with an identical gradation, wherein
voltages differing in voltage values are applied to electrodes across said pair of
substrates, so that a first color corresponding to a first voltage has a first gradation and a second
color different from said first color corresponding to a second voltage different from said first
voltage has said first gradation, wherein the first voltage and the second voltage are selected
according to a transmittance to correct for wavelength dispersion of said optical anisotropy of the
medium that corrects wavelength dispersion.

2. (Original) The display apparatus as set forth in claim 1, wherein the voltages
applied are determined based on a lookup table which associates gradations of an image
displayed by the display apparatus with the voltages applied to the display elements.

3. (Original) The display apparatus as set forth in claim 1, wherein the colors required to produce a color image display are three colors of RGB.

4. (Currently Amended) A display apparatus, comprising:
display elements including a medium injected and sealed between a pair of substrates at least one of which is transparent,
the medium changing in magnitude of optical anisotropy upon application of voltage,
each of the display elements containing colors required to produce a color image display,
so as to produce a color image display,
different voltages being applied to the display elements so as to display the colors required to produce a color image display with an identical gradation, and
wherein the medium exhibits optical isotropy in absence of an electric field and exhibits optical anisotropy under applied voltage, wherein
voltages differing in voltage values are applied to electrodes across said pair of substrates, so that a first color corresponding to a first voltage has a first gradation and a second color different from said first color corresponding to a second voltage different from said first voltage has said first gradation, wherein the first voltage and the second voltage are selected according to a transmittance to correct for wavelength dispersion of said optical anisotropy of the medium that corrects wavelength dispersion.

5. (Currently Amended) A display apparatus, comprising:
display elements including a medium injected and sealed between a pair of substrates at least one of which is transparent,

the medium changing in magnitude of optical anisotropy upon application of voltage,
each of the display elements containing colors required to produce a color image display,
so as to produce a color image display,
different voltages being applied to the display elements so as to display the colors
required to produce a color image display with an identical gradation, and
wherein the medium exhibits optical anisotropy in absence of an electric field and
exhibits optical isotropy under applied voltage, wherein
voltages differing in voltage values are applied to electrodes across said pair of
substrates, so that a first color corresponding to a first voltage has a first gradation and a second
color different from said first color corresponding to a second voltage different from said first
voltage has said first gradation, wherein the first voltage and the second voltage are selected
according to a transmittance to correct for wavelength dispersion of said optical anisotropy of the
medium that corrects wavelength dispersion.

6. (Original) The display apparatus as set forth in claim 1, wherein the medium is
comprised by molecules having an ordered structure less than optical wavelengths either under
applied voltage or in absence of applied voltage.

7. (Original) The display apparatus as set forth in claim 1, wherein the medium has
an ordered structure showing cubic symmetry.

8. (Original) The display apparatus as set forth in claim 1, wherein the medium is
comprised by molecules showing a cubic phase or a smectic D phase.

9. (Original) The display apparatus as set forth in claim 1, wherein the medium is comprised by a liquid crystal microemulsion.

10. (Original) The display apparatus as set forth in claim 1, wherein the medium is comprised by a lyotropic liquid crystal showing any one of a micelle phase, a reverse micelle phase, a sponge phase, and a cubic phase.

11. (Original) The display apparatus as set forth in claim 1, wherein the medium is comprised by a liquid crystal fine particle dispersion system showing any one of a micelle phase, a reverse micelle phase, a sponge phase, and a cubic phase.

12. (Original) The display apparatus as set forth in claim 1, wherein the medium is comprised by a dendrimer.

13. (Original) The display apparatus as set forth in claim 1, wherein the medium is comprised by molecules showing a cholesteric blue phase.

14. (Previously Presented) The display apparatus as set forth in claim 1, wherein the medium is comprised by molecules showing a smectic blue phase.

15. (Currently Amended) A display element in a display apparatus comprising a plurality of display elements,

each display element containing colors required to produce a color image display, so as to produce a color image display,

different voltages being applied to the display elements so as to display the colors required to produce a color image display with an identical gradation,

a medium being injected and sealed between a pair of substrates at least one of which is transparent, the medium changing in magnitude of optical anisotropy upon application of voltage, wherein

voltages differing in voltage values are applied to electrodes across said pair of substrates, so that a first color corresponding to a first voltage has a first gradation and a second color different from said first color corresponding to a second voltage different from said first voltage has said first gradation, wherein the first voltage and the second voltage are selected according to a transmittance to correct for wavelength dispersion of said optical anisotropy of the medium that corrects wavelength dispersion.

16. (Previously Presented) The display apparatus as set forth in claim 4, wherein the voltages applied are determined based on a lookup table which associates gradations of an image displayed by the display apparatus with the voltages applied to the display elements.

17. (Previously Presented) The display apparatus as set forth in claim 4, wherein the colors required to produce a color image display are three colors of RGB.

18. (Previously Presented) The display apparatus as set forth in claim 4, wherein the medium is comprised by molecules having an ordered structure less than optical wavelengths either under applied voltage or in absence of applied voltage.

19. (Previously Presented) The display apparatus as set forth in claim 5, wherein the voltages applied are determined based on a lookup table which associates gradations of an image displayed by the display apparatus with the voltages applied to the display elements.

20. (Previously Presented) The display apparatus as set forth in claim 5, wherein the colors required to produce a color image display are three colors of RGB.

21. (Previously Presented) The display apparatus as set forth in claim 5, wherein the medium is comprised by molecules having an ordered structure less than optical wavelengths either under applied voltage or in absence of applied voltage.

22. (Previously Presented) The display element as set forth in claim 15, wherein the medium exhibits optical isotropy in absence of an electrical field and exhibits optical anisotropy under applied voltage.

23. (Previously Presented) The display element as set forth in claim 15, wherein the medium exhibits optical anisotropy in absence of an electric field and exhibits optical isotropy under applied voltage.